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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF LEVELS AND TRENDS

DATA FOR SEPTEMBER 1984

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY

In cooperation with the United States Department of Labor Employment

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– EXPLANATORY –

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives ".

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

This report is prepared by the Research and Statistics Division.
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PENNSYLVANIA EMPLOYMENT AND EARNINGS FOR
THIRD QUARTER 1984

SEPTEMBER 1984 UNADJUSTED UNEMPLOYMENT DECREASES BY 59,000 SINCE AUGUST

From August to September, Pennsylvania's unadjusted unemployment decreased by 59,000 to 479,000, the lowest total since May 1984 when the level was 473,000 and the second month in a row a decrease occurred. The unadjusted unemployment rate dropped to 8.7 percent in September from the August rate of 9.6 percent.

When seasonal adjustment is applied to these figures, seasonal fluctuations in employment and unemployment are suppressed. This month, the seasonally adjusted employment rose by 77,000 to reach 4,962,000, while adjusted unemployment was reduced by 45,000 with an adjusted rate of 9.5 percent.

Total employment in Pennsylvania declined to 5,018,000 in September as high school and college students quit their summer jobs and returned to their classes. Since these jobs were seasonal in nature and will not be replaced, a decline in the monthly civilian labor force and total employment occurred.

Throughout the nation, the civilian labor force and the unadjusted employment total diminished in response to the opening of the 1984-1985 school year. However, the seasonally adjusted employment level rose to 105,239,000 for an increase of 270,000 over the August amount. Adjusted unemployment declined by 45,000 in September with an adjusted unemployment rate of 7.4 percent, down 0.1 of a percentage point after a two-month plateau at 7.5 percent.

EDUCATIONAL SECTOR SPURS NONFARM EMPLOYMENT TO REACH 4,643,900

Educational sector employes librarians, school bus drivers, and support staff returned to the state's elementary, secondary, and higher education institutions this month, creating an increase of 10,600 jobs in nonagricultural wage and salary employment. This total of 4,643,900 workers represents a gain of 80,000 jobs since September 1983, but 16,700 jobs below the year-to-date high of 4,660,600 posted in June 1984, the end of the second quarter.

Employment in nonmanufacturing industries improved by 13,300 jobs, bringing the total to 3,519,600 in September. Manufacturing employment declined by 2,700 since August for a total of 1,116,700. Both nonmanufacturing and manufacturing industry sectors have increased their employment rolls when compared with September 1983 totals, up 67,200 and 10,500, respectively.

NONMANUFACTURING. During the month of September, nonmanufacturing employment, which accounts for 76 percent of the nonfarm jobs, increased after two months of decline. The major contributor to this employment gain was the educational sector, with increases of 29,000 jobs in local education, 14,500 in educational services (including private colleges and libraries), 9,800 in state education, and 7,900 in transportation (primarily school bus drivers). Significant employment boosts also were posted in department stores (+3,200) and business services (+2,000). The number of contract construction workers increased for the seventh consecutive month to 190,600 jobs, the highest level since September 1981.

MANUFACTURING. Employment in the manufacturing industries accounts for 24 percent of the nonfarm wage and salary jobs. Durable goods and nondurable goods employment declined slightly in September, with totals of 646,000 and 470,700, respectively.

In comparing September's totals from last year, durable goods industries have expanded by 17,500 jobs. Jobs in electric and electronic equipment increased by 400 this month, the eighth straight month of reported growth. Other industry lines posting gains over August were: fabricated metal products, nonelectrical machinery, transportation equipment, and instruments and related products.

September marks the fifth consecutive month of employment expansion in the food products category of nondurable goods. The 92,300 employed in this sector is the highest level since October 1982. Two other nondurable goods categories on the upswing since last month were textile products and publishing and printing.

Comparing this nonfarm employment data with the second quarter ending June 1984 figures, seven manufacturing and five nonmanufacturing industries have improved their employment levels over the last three months. Substantial gains were indicated in contract construction (+8,700), general merchandise stores (+1,800), and transportation (+1,500) in nonmanufacturing. Food products (+2,000), printing and publishing (+1,000), and electric and electronic machinery (+900) also recorded increases in jobs since the last quarter.

WORKWEEK STATISTICS

Average weekly wages for workers in manufacturing industries accelerated to $376.00 during September, up from $371.47 in August. This increase occurred because weekly hours and hourly earnings both rose during the month to 40.0 and $9.40, respectively. Durable goods workers averaged 41.1 work hours this month with hourly earnings of $10.30 for an average weekly gross earnings of $423.33. Corresponding figures for the nondurable goods workers were 38.6 hours, $8.12, and $313.43.

ALL MAJOR LABOR MARKET AREAS QUARTERLY AVERAGE SEASONAL ADJUSTED UNEMPLOYMENT RATES BELOW 1983 THIRD QUARTER FIGURES

All seasonally adjustment unemployment rates for major labor market areas during the third quarter 1984 were below the year-ago figures. Lancaster and Harrisburg recorded the lowest rates, 5.6 percent and 5.7 percent, respectively. The highest rates were recorded in Johnstown (15.0 percent) and Sharon (12.9 percent).

Recording unemployment rates below the state rate of 9.9 percent, in addition to Lancaster and Harrisburg, were Allentown-Bethlehem-Easton, 9.8 percent; York, 8.7 percent; State College, 8.6 percent; Reading, 8.1 percent; and Philadelphia, 7.2 percent. The table below presents seasonally adjusted quarterly unemployment rates for Pennsylvania and major labor market areas for second and third quarter 1984 and third quarter 1983.

QUARTERLY AVERAGE ADJUSTED UNEMPLOYMENT BY LABOR MARKET AREAS:
NUMBER AND RATE, SECOND AND THIRD QUARTER, 1984 AND THIRD QUARTER 1983

AREA	THIRD QUARTER-84		SECOND QUARTER-84		THIRD QUARTER-83	
	Number	Rate*	Number	Rate*	Number	Rate*
PENNSYLVANIA	545,000	9.9	492,000	9.0	548,000	10.0
ALLENTOWN-BETHLEHEM-EASTON	30,500	9.8	27,000	8.7	33,700	10.9
ALTOONA	6,400	11.5	6,900	12.5	9,000	15.5
ERIE	12,700	10.2	12,100	9.8	17,400	13.5
HARRISBURG	14,000	5.7	13,200	5.4	14,800	6.2
JOHNSTOWN	15,200	15.0	14,300	14.2	20,200	18.9
LANCASTER	10,600	5.6	9,100	4.8	11,000	5.9
NORTHEAST PA	36,900	12.5	32,100	10.9	33,900	11.6
PHILADELPHIA	163,000	7.2	152,200	6.7	184,800	8.3
PITTSBURGH	119,700	11.9	112,200	11.1	140,600	13.6
READING	13,300	8.1	11,400	7.0	13,800	8.5
SHARON	6,500	12.9	6,300	12.3	8,800	16.7
STATE COLLEGE	4,600	8.6	4,100	7.8	5,100	9.8
WILLIAMSPORT	6,100	11.5	5,800	11.0	7,500	14.3
YORK	15,900	8.7	14,600	8.1	17,900	9.9

*Rate expressed as percent of civilian labor force.

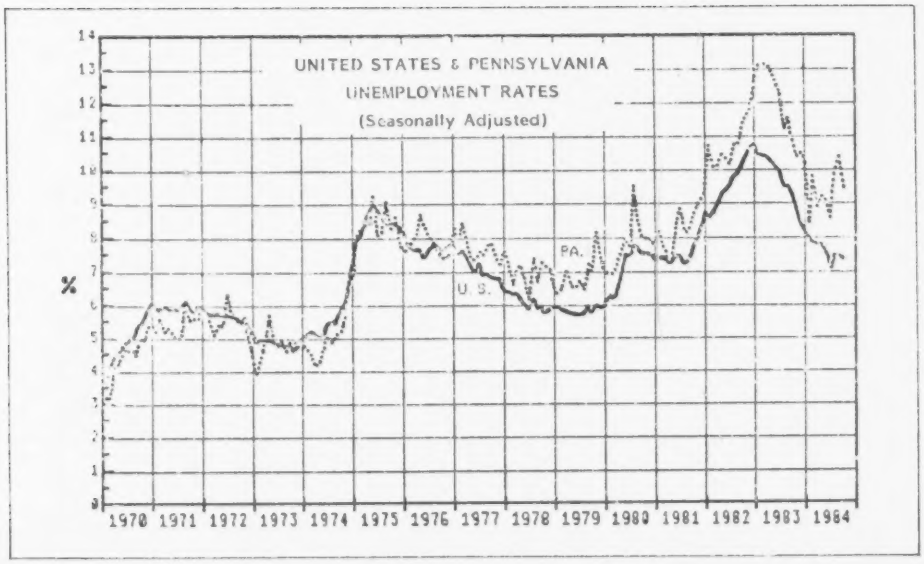

Table I. Resident Employment, Unemployment and Unemployed Rate (Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Em-ployment	Unem-ployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Em-ployment	Unem-ployment	Rate %	Seasonally Adjusted Rate %
1967	4,637	4,467	170	3.7		77,347	74,372	2,975	3.8	
1968	4,634	4,475	159	3.4		78,737	75,920	2,817	3.6	
1969	4,720	4,566	154	3.3		80,734	77,902	2,832	3.5	
1970	4,830	4,612	218	4.5		82,771	78,678	4,093	4.9	
1971	4,813	4,553	261	5.4		84,382	79,367	5,016	5.9	
1972	4,884	4,620	265	5.4		87,034	82,153	4,882	5.6	
1973	4,999	4,756	242	4.8		89,429	85,064	4,365	4.9	
1974	5,052	4,793	259	5.1		91,949	86,794	5,156	5.6	
1975	5,096	4,672	423	8.3		93,775	85,846	7,929	8.5	
1976	5,127	4,721	407	7.9		96,158	88,752	7,406	7.7	
1977	5,205	4,804	401	7.7		99,009	92,017	6,991	7.1	
1978	5,303	4,936	367	6.9		102,251	96,048	6,202	6.1	
1979	5,358	4,988	370	6.9		104,962	98,824	6,137	5.8	
1980	5,434	5,009	425	7.8		106,940	99,303	7,637	7.1	
1981	5,476	5,018	458	8.4		108,670	100,397	8,273	7.6	
1982	5,487	4,888	599	10.9		110,204	99,526	10,678	9.7	
1983	5,510	4,859	651	11.8		111,550	100,834	10,717	9.6	
1984 Jan.	5,383	4,841	542	10.1	8.3	111,025	101,270	9,755	8.8	8.0
Feb.	5,344	4,758	586	11.0	9.8	111,368	101,961	9,407	8.4	7.8
Mar.	5,278	4,772	506	9.6	8.9	111,828	102,770	9,057	8.1	7.8
Apr.	5,317	4,829	488	9.2	9.2	112,152	103,628	8,525	7.6	7.8
May	5,429	4,956	473	8.7	9.1	113,251	105,096	8,154	7.2	7.5
June	5,640	5,122	518	9.2	8.6	115,393	106,812	8,582	7.4	7.1
July	5,678	5,138	540	9.5	9.9	116,198	107,484	8,714	7.5	7.5
Aug.	5,583	5,045	538	9.6	10.4	115,076	106,694	8,382	7.3	7.5
Sep.	5,497	5,018	479	8.7	9.5	113,843	105,792	8,051	7.1	7.4
1983										
1st Qtr.	5,373	4,605	768	14.3	13.1	109,766	97,507	12,259	11.2	10.5
2nd Qtr.	5,470	4,777	692	12.7	12.6	111,189	100,065	11,123	10.0	10.1
3rd Qtr.	5,626	5,033	594	10.6	11.2	113,252	102,935	10,316	9.1	9.3
4th Qtr.	5,570	5,022	548	9.8	10.4	111,995	102,827	9,168	8.2	8.5
1984										
1st Qtr.	5,336	4,791	545	10.2	9.0	111,406	102,000	9,406	8.4	7.9
2nd Qtr.	5,462	4,969	493	9.0	9.0	113,599	105,179	8,420	7.4	7.5
3rd Qtr.	5,586	5,067	519	9.3	9.9	115,039	106,657	8,382	7.3	7.5

On all tables the most recent month's data are preliminary. They are subject to revision.

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
						NET CHANGE		
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	AUGUST 1984	JUNE 1984	SEPT 1983
TOTAL NONAG. WAGE & SALARY EMPLOYMENT	4643.9	4625.7	4625.5	4660.5	4563.9	10.6	-24.2	80.0
LABOR-MANAGEMENT DISPUTES	7.6	4.8	7.4	8.6	5.3	2.8	-1.0	2.3
TOTAL MANUFACTURING INDUSTRIES	1116.7	1119.4	1118.2	1131.3	1106.2	-2.7	-14.6	10.5
TOTAL DURABLE GOODS	646.0	647.2	648.4	656.2	628.5	-1.2	-10.2	17.5
Lumber & wood products	21.8	21.9	22.1	22.1	21.1	-0.1	-0.3	0.7
Millwork, plywood & structural	6.9	7.0	7.1	7.1	6.7	-0.1	-0.2	0.2
Other lumber & wood prod.	14.9	14.9	15.0	15.0	14.4	0.0	-0.1	0.5
Furniture & fixtures	20.8	20.8	19.8	20.4	19.3	0.0	0.4	1.5
Household furniture	8.5	8.4	8.0	8.3	8.1	0.1	0.2	0.4
Office furniture	5.9	6.1	5.6	6.1	5.5	-0.2	-0.2	0.4
Other furniture & fixtures	6.4	6.3	6.2	6.0	5.7	0.1	0.4	0.7
Stone, clay & glass products	48.9	49.4	49.1	49.4	49.9	-0.5	-0.5	-1.0
Glass & glassware, pressed or blown	12.0	12.2	12.1	12.6	13.4	-0.2	-0.6	-1.4
Glass containers	5.7	5.9	6.0	6.1	6.8	-0.2	-0.4	-1.1
Other pressed or blown glass	6.3	6.3	6.1	6.5	6.6	0.0	-0.2	-0.3
Hydraulic cement	2.0	2.0	1.9	2.0	1.9	0.0	0.0	0.1
Structural clay products	4.5	4.6	4.6	4.7	4.3	-0.1	-0.2	0.2
Pottery & related products	4.1	4.1	4.2	4.3	4.4	0.0	-0.2	-0.3
Concrete, gypsum & plaster prod.	7.9	8.0	7.9	7.7	7.6	-0.1	0.2	0.3
Other stone, clay & glass prod.	18.4	18.5	18.4	18.1	18.3	-0.1	0.3	0.1
Primary metal industries	122.5	124.8	127.2	130.1	123.7	-2.3	-7.6	-1.2
Blast furnace & basic steel prod.	82.6	84.8	88.0	89.6	85.8	-2.2	-7.0	-3.2
Blast furnaces & steel mills	74.6	76.9	80.4	81.8	78.0	-2.3	-7.2	-3.4
Other basic steel products	8.0	7.9	7.6	7.8	7.8	0.1	0.2	0.2
Iron & steel foundries	11.5	11.4	11.0	12.0	11.4	0.1	-0.5	0.1
Nonferrous rolling & drawing	13.8	13.9	13.6	13.8	13.0	-0.1	0.0	0.8
Nonferrous foundries	6.5	6.5	6.4	6.5	6.1	0.0	0.0	0.4
Other primary metal products	8.1	8.2	8.2	8.2	7.4	-0.1	-0.1	0.7
Fabricated metal products	89.1	89.0	88.4	88.8	87.1	0.1	0.3	2.0
Metal cans & shipping containers	2.8	2.7	2.8	2.9	3.1	0.1	-0.1	-0.3
Cutlery, hand tools & hardware	5.1	5.3	5.2	5.2	4.7	-0.2	-0.1	0.4
Plumbing & heating exc. electrical	2.2	2.2	2.2	2.2	2.3	0.0	0.0	-0.1
Fabricated structural metal prod.	28.0	27.8	27.6	27.8	28.8	0.2	0.2	-0.8
Fabricated structural metal	4.7	4.5	4.6	4.6	5.3	0.2	0.1	-0.6
Fabricated plate work (boiler shops)	7.5	7.3	7.2	7.4	7.6	0.2	0.1	-0.1
Other fabricated struct. metal prod.	15.8	16.0	15.8	15.8	15.9	-0.2	0.0	-0.1
Screw machine products, bolts, etc.	7.0	6.9	6.9	7.0	6.5	0.1	0.0	0.5
Metal forgings & stampings	17.0	16.9	16.8	16.9	15.3	0.1	0.1	1.7
Iron & steel forgings	3.9	3.7	3.8	3.8	3.1	0.2	0.1	0.8
Other metal forgings & stampings	13.1	13.2	13.0	13.1	12.2	-0.1	0.0	0.9
Metal services & ordnance, n.e.c.	7.5	7.6	7.6	7.5	7.9	-0.1	0.0	-0.4
Misc. fabricated metal products	19.5	19.6	19.3	19.3	18.5	-0.1	0.2	1.0
Valves & pipe fittings	7.6	7.6	7.6	7.6	7.3	0.0	0.0	0.3
Other misc. fabricated metal prod.	11.9	12.0	11.7	11.7	11.2	-0.1	0.2	0.7
Machinery, exc. electrical	112.9	111.5	111.8	112.5	107.3	1.4	0.4	5.6
Engines & turbines	5.7	5.8	5.9	6.0	6.0	-0.1	-0.3	-0.3
Farm & garden machinery	3.4	3.3	3.3	3.3	3.2	0.1	0.1	0.2
Construction & related mach.	17.1	17.0	16.9	17.2	14.9	0.1	-0.1	2.2
Construction machinery	5.2	5.2	5.6	5.7	5.1	0.0	-0.5	0.1
Conveyors & conveying equip.	2.5	2.5	2.6	2.6	2.7	0.0	-0.1	-0.2
Other construction & related mach.	9.4	9.3	8.7	8.9	7.1	0.1	0.5	2.3
Metal working machinery	17.7	17.6	17.6	17.9	17.0	0.1	-0.2	0.7
Special industry machinery	9.8	9.0	9.5	9.8	9.6	0.8	0.0	0.2

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYEES							
						NET CHANGE		
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	AUGUST 1984	JUNE 1984	SEPT 1983
General industrial machinery	23.0	22.9	22.9	22.9	22.3	0.1	0.1	0.7
Pumps & pumping equipment	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0
Ball & roller bearings	3.3	3.3	3.4	3.4	3.2	0.0	-0.1	0.1
Air & gas compressors	3.8	3.8	3.7	3.7	3.5	0.0	0.1	0.3
Industrial furnaces & ovens	2.2	2.1	2.1	2.1	2.1	0.1	0.1	0.1
Other general industrial mach.	10.1	10.1	10.1	10.1	9.9	0.0	0.0	0.2
Office and computing machines	13.4	13.3	13.2	13.0	12.4	0.1	0.4	1.0
Refrigeration & service ind. mach.	9.2	9.2	8.9	9.0	9.5	0.0	0.2	-0.3
Misc. machinery, exc. electrical	13.6	13.4	13.6	13.4	12.4	0.2	0.2	1.2
Electric & electronic equipment	109.2	108.8	108.6	108.3	102.0	0.4	0.9	7.2
Electric distributing equip.	10.6	10.5	11.0	10.9	11.7	0.1	-0.3	-1.1
Transformers	4.1	3.9	4.3	3.9	4.1	0.2	0.2	0.0
Switchgear & switchboard apparatus	6.5	6.6	6.7	7.0	7.6	-0.1	-0.5	-1.1
Electrical industrial apparatus	14.7	14.9	15.3	15.4	14.9	-0.2	-0.7	-0.2
Household appliances	3.7	3.5	3.8	3.8	3.7	0.2	-0.1	0.0
Electric lighting & wiring equip.	21.8	21.7	21.1	21.0	19.7	0.1	0.8	2.1
Current-carrying wiring devices	12.8	12.9	12.7	12.6	11.1	-0.1	0.2	1.7
Other electric light & wiring equip.	9.0	8.8	8.4	8.4	8.6	0.2	0.6	0.4
Communication equipment	10.8	10.7	10.5	10.3	10.0	0.1	0.5	0.8
Electronic components & accessories	38.5	38.5	38.1	37.9	32.7	0.0	0.6	5.8
Semiconductors & related devices	17.1	16.9	16.7	16.6	13.2	0.2	0.5	3.9
Other electronic components & access.	21.4	21.6	21.4	21.3	19.5	-0.2	0.1	1.9
Other electrical equip. & supplies	9.1	9.0	8.8	9.0	9.3	0.1	0.1	-0.2
Transportation equipment	64.4	64.2	64.6	67.0	60.7	0.2	-2.6	3.7
Motor vehicles & equipment	25.7	26.1	26.3	28.7	25.3	-0.4	-3.0	0.4
Motor vehicle parts & access.	12.2	12.1	12.0	12.6	11.2	0.1	-0.4	1.0
Other motor vehicles & equip.	13.5	14.0	14.3	16.1	14.1	-0.5	-2.6	-0.6
Aircraft & parts	10.0	9.8	10.1	10.1	9.0	0.2	-0.1	1.0
Ship & boat building & repairing	2.5	2.5	2.5	2.7	2.5	0.0	-0.2	0.0
Railroad equipment	12.9	12.6	12.6	12.5	11.6	0.3	0.4	1.3
Other transportation equipment	13.3	13.2	13.1	13.0	12.3	0.1	0.3	1.0
Instruments & related products	36.3	36.2	36.3	36.6	36.3	0.1	-0.3	0.0
Measuring & controlling devices	17.4	17.4	17.4	17.5	17.7	0.0	-0.1	-0.3
Medical instruments & supplies	11.3	11.5	11.5	11.6	11.2	-0.2	-0.3	0.1
Other instruments & related prod.	7.6	7.3	7.4	7.5	7.4	0.3	0.1	0.2
Miscellaneous manufacturing industries	20.1	20.6	20.5	21.0	21.1	-0.5	-0.9	-1.0
TOTAL NONDURABLE GOODS	470.7	472.2	469.8	475.1	477.7	-1.5	-4.4	-7.0
Food & kindred products	92.3	91.7	91.2	90.3	92.2	0.6	2.0	0.1
Meat products	13.2	13.0	13.0	13.1	13.6	0.2	0.1	-0.4
Meat packing plants	4.2	4.0	3.9	3.9	4.0	0.2	0.3	0.2
Sausages & other prepared meats	4.4	4.5	4.6	4.6	5.0	-0.1	-0.2	-0.6
Poultry dressing & processing	4.6	4.5	4.5	4.6	4.6	0.1	0.0	0.0
Dairy products	11.2	11.4	11.6	11.4	10.9	-0.2	-0.2	0.3
Fluid milk	6.0	6.1	6.1	6.1	5.8	-0.1	-0.1	0.2
Other dairy products	5.2	5.3	5.5	5.3	5.1	-0.1	-0.1	0.1
Preserved fruits & vegetables	12.2	11.3	10.9	10.6	12.2	0.9	1.6	0.0
Canned fruits & vegetables	4.0	3.3	3.2	3.1	4.0	0.7	0.9	0.0
Other preserved fruits & vegetables	8.2	8.0	7.7	7.5	8.2	0.2	0.7	0.0
Grain mill products	5.4	5.5	5.4	5.2	5.2	-0.1	0.2	0.2
Bakery products	17.1	17.2	17.4	17.5	17.4	-0.1	-0.4	-0.3
Bread, cake & related prod.	12.9	13.1	13.0	13.0	13.0	-0.2	-0.1	-0.1
Cookies & crackers	4.2	4.1	4.4	4.5	4.4	0.1	-0.3	-0.2
Sugar & confectionery prod.	14.3	14.1	13.6	13.2	14.2	0.2	1.1	0.1
Beverages	8.8	9.1	9.3	9.4	9.2	-0.3	-0.6	-0.4
Other food & kindred products	10.1	10.1	10.0	9.9	9.5	0.0	0.2	0.6

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
						NET CHANGE		
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	AUGUST 1984	JUNE 1984	SEPT 1983
Tobacco manufacturers	2.1	2.2	2.1	2.2	2.3	-0.1	-0.1	-0.2
Textile mill products	36.0	35.8	35.4	36.6	37.0	0.2	-0.6	-1.0
Weaving mills, synthetics	4.1	4.0	4.1	4.2	4.3	0.1	-0.1	-0.2
Knitting mills	17.6	17.7	17.5	18.2	18.5	-0.1	-0.6	-0.9
Knit outerwear mills	9.4	9.6	9.3	9.7	9.6	-0.2	-0.3	-0.2
Knit underwear mills	4.2	4.1	4.3	4.5	4.7	0.1	-0.3	-0.5
Other knitting mills	4.0	4.0	3.9	4.0	4.2	0.0	0.0	-0.2
Floor covering mills	3.1	3.1	3.0	3.0	2.9	0.0	0.1	0.2
Yarn & thread mills	2.8	2.7	2.7	2.7	2.9	0.1	0.1	-0.1
Other textile mill prod.	8.4	8.3	8.1	8.5	8.4	0.1	-0.1	0.0
Apparel & other textile products	107.6	108.8	108.8	112.6	113.4	-1.2	-5.0	-5.8
Men's & boys' suits & coats	14.4	14.7	14.6	14.8	13.9	-0.3	-0.4	0.5
Men's & boys' furnishings	16.9	16.9	16.6	17.1	17.2	0.0	-0.2	-0.3
Men's & boys' shirts & nightwear	6.5	6.4	6.2	6.5	6.7	0.1	0.0	-0.2
Men's & boys' separate trousers	3.6	3.6	3.5	3.7	3.6	0.0	-0.1	0.0
Other furnishings & work clothing	6.8	6.9	6.9	6.9	6.9	-0.1	-0.1	-0.1
Women's & misses' outerwear	45.4	46.4	47.1	49.8	51.7	-1.0	-4.4	-6.3
Women's & children's undergarments	10.3	10.2	10.0	10.6	10.4	0.1	-0.3	-0.1
Children's outerwear	7.6	7.5	7.9	7.8	7.7	0.1	-0.2	-0.1
Other apparel & textile prod.	13.0	13.1	12.6	12.5	12.5	-0.1	0.5	0.5
Paper & allied products	39.8	40.2	39.8	39.8	40.4	-0.4	0.0	-0.6
Paper mills exc. building paper	9.8	9.9	9.8	9.9	10.7	-0.1	-0.1	-0.9
Paper board containers & boxes	13.5	13.5	13.6	13.5	13.4	0.0	0.0	0.1
Corrugated & solid fiber boxes	6.9	6.9	7.0	7.0	6.9	0.0	-0.1	0.0
Other paperboard containers	6.6	6.6	6.5	6.5	6.5	0.0	0.1	0.1
Other paper & allied products	16.5	16.8	16.5	16.4	16.3	-0.3	0.1	0.2
Printing & publishing	75.1	74.6	74.0	74.1	72.5	0.5	1.0	2.6
Newspapers	22.9	22.8	22.8	22.8	22.1	0.1	0.1	0.8
Books	4.6	4.6	4.5	4.5	4.2	0.0	0.1	0.4
Commercial printing	25.5	25.1	24.8	25.0	24.3	0.4	0.5	1.2
Manifold business forms	5.1	5.0	5.0	5.0	4.9	0.1	0.1	0.2
Other printing & publishing	17.0	17.1	16.9	16.8	17.0	-0.1	0.2	0.0
Chemicals & allied products	56.3	56.7	56.8	56.6	57.7	-0.4	-0.3	-1.4
Industrial inorganic chemicals	9.5	9.5	9.4	9.5	9.1	0.0	0.0	0.4
Plastic materials & synthetics	8.3	8.4	8.5	8.4	8.1	-0.1	-0.1	0.2
Drugs	17.0	17.3	17.7	17.5	19.2	-0.3	-0.5	-2.2
Soap, cleaners & toilet goods	3.2	3.2	3.0	3.0	3.3	0.0	0.2	-0.1
Paints & allied products	4.0	4.1	4.1	4.1	3.8	-0.1	-0.1	0.2
Other chemicals & allied prod.	14.3	14.2	14.1	14.1	14.2	0.1	0.2	0.1
Petroleum & coal products	14.1	14.3	13.5	13.3	14.6	-0.2	0.8	-0.5
Petroleum refining	10.5	10.6	9.8	9.7	10.9	-0.1	0.8	-0.4
Other petroleum & coal prod.	3.6	3.7	3.7	3.6	3.7	-0.1	0.0	-0.1
Rubber & misc. plastics products	34.5	34.7	35.2	36.2	33.6	-0.2	-1.7	0.9
Tires & inner tubes	2.7	2.7	2.8	2.8	2.7	0.0	-0.1	0.0
Fabricated rubber prod., n.e.c.	3.9	3.9	3.8	4.0	3.8	0.0	-0.1	0.1
Other rubber & plastic prod., n.e.c.	27.9	28.1	28.6	29.4	27.1	-0.2	-1.5	0.8
Leather & leather products	12.9	13.2	13.0	13.4	14.0	-0.3	-0.5	-1.1
Footwear, exc. rubber	10.1	10.3	10.2	10.4	10.7	-0.2	-0.3	-0.6
Men's footwear, exc. athletic	4.4	4.5	4.4	4.7	5.1	-0.1	-0.3	-0.7
Women's footwear, exc. athletic	2.5	2.5	2.7	2.6	2.5	0.0	-0.1	0.0
Other footwear	3.2	3.3	3.1	3.1	3.1	-0.1	0.1	0.1
Other leather & leather prod.	2.8	2.9	2.8	3.0	3.3	-0.1	-0.2	-0.5

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(concl.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
						NET CHANGE		
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	AUGUST 1984	JUNE 1984	SEPT 1983
TOTAL NONMANUFACTURING INDUSTRIES	3519.6	3506.3	3507.3	3529.3	3457.7	13.3	-9.7	61.9
Mining	40.1	39.4	40.5	39.8	40.4	0.7	0.3	-0.3
Anthracite	2.4	2.4	2.4	2.4	2.8	0.0	0.0	-0.4
Bituminous	27.8	27.1	28.2	27.8	28.3	0.7	0.0	-0.5
Nonmetallic minerals	4.6	4.6	4.7	4.5	4.4	0.0	0.1	0.2
Contract Construction	190.6	190.3	189.2	181.8	184.0	0.3	8.8	6.6
General building	46.3	46.3	46.1	43.5	46.1	0.0	2.8	0.2
Heavy construction	43.4	43.9	43.1	42.7	42.0	-0.5	0.7	1.4
Special trades	100.9	100.1	100.0	95.6	95.9	0.8	5.3	5.0
Transportation	144.5	136.8	134.9	143.0	141.3	7.7	1.5	3.2
Railroads	26.4	26.6	26.6	26.4	26.3	-0.2	0.0	0.1
Public Utilities	105.7	106.6	106.6	106.5	105.1	-0.9	-0.8	0.6
Communications	54.4	54.9	55.0	55.1	54.7	-0.5	-0.7	-0.3
Electric, gas & sanitary service	51.3	51.7	51.6	51.4	50.4	-0.4	-0.1	0.9
Electric systems	26.0	26.1	26.0	25.9	25.8	-0.1	0.1	0.2
Gas production	9.0	9.1	9.1	9.1	8.9	-0.1	-0.1	0.1
Wholesale trade	248.0	248.4	247.6	247.1	240.3	-0.4	0.9	7.7
Retail trade	771.3	767.6	767.1	776.1	765.5	3.7	-4.8	5.8
General merchandise stores	123.4	120.0	119.8	121.6	117.4	3.4	1.8	6.0
Department stores	110.2	107.0	106.8	108.6	104.8	3.2	1.6	5.4
Finance, insurance & real esta'e	253.5	256.8	255.2	254.7	243.2	-3.3	-1.2	10.3
Banking	82.8	83.7	83.6	83.3	81.4	-0.9	-0.5	1.4
Commercial & stock savings	76.4	77.2	77.1	76.9	74.9	-0.8	-0.5	1.5
Credit agencies & securities	36.1	36.6	36.3	36.2	32.8	-0.5	-0.1	3.3
Insurance	73.1	73.2	72.5	72.5	68.7	-0.1	0.6	4.4
Life insurance	27.7	27.7	27.3	27.4	25.3	0.0	0.3	2.4
Fire, marine & casualty	29.1	29.2	28.9	28.9	28.1	-0.1	0.2	1.0
Services	1108.3	1105.8	1106.8	1110.7	1083.4	2.5	-2.4	24.9
Business services	163.9	161.9	160.9	160.3	150.5	2.0	3.6	13.4
Health services	374.9	377.4	378.5	378.3	368.9	-2.5	-3.4	6.0
Nursing & personal care	57.5	58.2	58.0	57.7	56.5	-0.7	-0.2	1.0
Hospitals	220.1	222.1	223.7	224.8	221.8	-2.0	-4.7	-1.7
Educational service	126.9	112.4	113.3	121.0	125.3	14.5	5.9	1.6
Miscellaneous services	48.3	48.5	48.5	48.0	48.6	-0.2	0.3	-0.3
Engineering & architectural	28.6	28.9	29.2	29.3	30.0	-0.3	-0.7	-1.4
Government	657.6	654.6	659.4	669.6	654.5	3.0	-12.0	3.1
Federal	135.0	136.7	137.3	136.5	133.1	-1.7	-1.5	1.9
State & local	522.6	517.9	522.1	533.1	521.4	4.7	-10.5	1.2

Table 3. SELECTED PENNSYLVANIA EMPLOYMENT INDICES
(Not Seasonally Adjusted)

1977 = 100

INDUSTRY TITLE	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	ANNUAL AVERAGE 1983	1982	1981
All Manufacturing	83.4	83.2	83.3	84.3	81.3	81.5	87.2	96.8
Primary Metals	62.5	61.4	63.7	65.8	59.1	61.4	71.7	92.1
Apparel	81.2	80.3	81.2	84.1	78.3	83.4	85.4	91.5
All Nonmanufacturing	108.8	109.2	108.8	109.7	104.9	106.2	105.7	106.3
Construction	103.5	103.6	102.9	98.5	85.1	90.3	91.4	98.2
Retail Trade	107.0	107.5	107.0	109.5	103.7	105.1	102.9	103.6
Services	128.2	128.5	128.3	128.6	121.7	124.1	121.2	117.3
Government	92.1	92.5	92.8	94.3	104.5	94.5	96.0	98.9

TABLE 4. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1972	$154.42	39.8	$3.88	137.6	125.3	$123.24	$31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.1	246.8	119.32	175.17
1981	325.36	39.2	8.30	294.3	272.4	119.44	205.92
1982	331.39	38.4	8.63	306.0	289.1	114.63	216.76
1983	350.84	39.2	8.95	317.4	298.4	117.57	233.57

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col. 1 ÷ Col. 5)

TABLE 5. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(THOUSANDS)

Industry	Employment					Weekly Manhours Worked					Weekly Payrolls				
	SEPT p 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT p 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT p 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983
Manufacturing	773.7	771.4	769.1	782.5	758.8	30,949.3	30,785.5	30,837.6	31,459.4	30,286.8	290,909.9	286,484.2	287,595.9	292,542.8	272,466.9
Durable Goods	443.4	440.4	441.1	448.7	420.8	18,216.1	18,023.2	18,271.7	18,726.7	17,228.0	187,569.6	184,015.6	187,263.1	192,194.2	171,608.1
Nondur. Goods	330.3	331.0	328.0	333.8	338.0	12,733.2	12,762.3	12,565.9	12,732.7	13,058.8	103,341.3	102,468.6	100,332.8	100,343.6	100,858.8

NOTATION

Resident Data are workers by place of residence. They include wage and salary workers, self-employed and unpaid family workers and persons involved in labor management disputes.

Establishment Data are estimates by place of work. Persons involved in labor management disputes are not included.

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983
TOTAL MANUFACTURING INDUSTRIES	$376.00	$371.47	$374.13	$373.86	$359.50	40.0	39.9	40.1	40.2	39.9	$ 9.40	$ 9.31	$ 9.33	$ 9.30	$ 9.01
TOTAL DURABLE GOODS	423.33	417.59	418.41	427.84	409.41	41.1	40.9	41.4	41.7	40.9	10.30	10.21	10.25	10.26	10.01
Lumber & wood products	314.47	308.45	310.72	306.94	282.05	41.0	40.8	41.1	41.2	40.7	7.67	7.56	7.56	7.45	6.93
Millwork, plywood & structural	338.94	330.46	330.54	329.94	323.90	42.0	41.0	42.0	42.3	42.9	8.07	8.06	7.87	7.80	7.55
Other lumber & wood prod.	304.09	298.33	301.99	296.30	262.42	40.6	40.7	40.7	40.7	39.7	7.49	7.33	7.42	7.28	6.61
Furniture & fixtures	317.56	314.74	310.40	315.02	302.65	40.3	40.3	40.0	40.7	40.3	7.88	7.81	7.76	7.74	7.51
Household furniture	265.95	270.52	268.52	274.57	262.68	39.4	39.9	39.2	40.2	39.5	6.75	6.78	6.85	6.83	6.65
Office furniture	355.01	335.75	322.39	331.70	338.10	40.9	40.5	40.4	40.8	42.0	8.68	8.29	7.98	8.13	8.05
Other furniture & fixtures	365.51	363.45	363.04	363.91	330.34	41.3	40.7	40.7	41.4	39.8	8.85	8.93	8.92	8.79	8.30
Stone, clay & glass products	421.45	414.83	408.94	409.78	404.88	42.7	42.2	41.9	41.9	42.0	9.87	9.83	9.76	9.78	9.64
Glass & glassware, pressed or blown	434.25	431.81	413.29	429.89	421.16	41.2	41.6	40.4	41.9	42.2	10.54	10.38	10.23	10.26	9.98
Glass containers	467.15	454.02	450.05	454.69	445.20	42.2	41.2	41.1	41.6	42.0	11.07	11.02	10.95	10.93	10.60
Other pressed or blown glass	404.61	410.62	377.15	406.69	397.62	40.3	41.9	39.7	42.1	42.3	10.04	9.80	9.50	9.66	9.40
Hydraulic cement	528.35	551.82	558.75	604.44	560.68	41.8	43.9	44.7	46.0	42.8	12.64	12.57	12.50	13.14	13.10
Structural clay products	351.12	338.62	352.80	338.64	326.02	41.9	40.7	42.0	40.8	40.6	8.38	8.32	8.40	8.30	8.03
Pottery & related products	381.78	372.20	372.10	346.09	379.73	42.0	40.5	40.8	37.7	40.7	9.09	9.19	9.12	9.18	9.33
Concrete, gypsum & plaster prod.	402.96	400.43	404.47	397.67	382.75	46.0	45.4	45.6	45.5	44.3	8.76	8.82	8.87	8.74	8.64
Other stone, clay & glass prod.	438.96	426.17	418.40	415.11	409.94	42.7	41.7	41.1	41.1	41.2	10.28	10.22	10.18	10.10	9.95
Primary metal industries	480.00	466.09	489.23	498.49	469.17	40.0	39.2	40.6	41.3	40.1	12.00	11.89	12.05	12.07	11.70
Blast furnace & basic steel prod.	509.86	490.73	525.60	499.32	502.44	39.1	38.1	40.4	41.3	39.5	13.04	12.88	13.01	12.09	12.72
Blast furnaces & steel mills	514.32	495.56	534.49	543.15	508.65	38.7	37.8	40.4	40.9	39.4	13.29	13.11	13.23	13.28	12.91
Other basic steel products	465.89	451.41	436.86	466.13	441.10	42.2	41.3	40.6	43.2	40.1	11.04	10.93	10.76	10.79	11.00
Iron & steel foundries	366.71	353.42	355.81	363.92	369.08	40.7	39.4	39.1	39.3	41.1	9.01	8.97	9.10	9.26	8.98
Nonferrous rolling & drawing	465.34	460.23	443.70	471.14	434.85	43.9	43.5	42.5	44.7	42.8	10.60	10.58	10.44	10.54	10.16
Nonferrous foundries	411.09	408.74	405.29	394.54	363.81	42.6	42.8	43.3	41.4	40.2	9.65	9.55	9.36	9.53	9.05
Other primary metal products	416.36	420.65	412.09	423.19	401.32	40.7	40.8	40.6	41.9	42.2	10.23	10.31	10.15	10.10	9.51
Fabricated metal products	413.55	407.12	411.88	413.42	405.74	41.9	41.5	41.9	42.1	41.7	9.87	9.81	9.83	9.82	9.73
Metal cans & shipping containers	525.76	515.06	498.67	525.54	471.33	46.2	45.3	43.1	44.2	41.2	11.38	11.37	11.57	11.89	11.44
Cutlery, hand tools & hardware	328.68	301.08	319.84	300.30	307.32	41.5	39.0	40.9	39.0	39.4	7.92	7.72	7.82	7.70	7.80
Plumbing & heating exc. electrical	352.75	362.90	351.48	359.98	403.97	41.5	42.1	42.5	42.4	42.3	8.50	8.62	8.27	8.49	9.55
Fabricated structural metal prod.	371.13	372.11	373.15	371.54	362.37	41.1	41.3	41.6	41.1	40.9	9.03	9.01	8.97	9.04	8.86
Fabricated structural metal	377.10	360.67	377.94	381.35	389.05	41.9	40.8	41.9	40.1	41.3	9.00	8.84	9.02	9.51	9.42
Fabricated plate work (boiler shops)	426.36	436.18	446.69	453.22	420.51	41.8	41.7	43.2	43.0	41.8	10.20	10.46	10.34	10.54	10.06
Other fabricated struct. metal prod.	345.10	348.57	341.52	333.73	330.07	40.6	41.3	40.9	40.6	40.4	8.50	8.44	8.35	8.22	8.17
Screw machine products, bolts, etc.	411.74	395.37	398.35	397.74	370.27	42.1	41.4	41.8	42.0	39.9	9.78	9.55	9.53	9.47	9.28
Metal forgings & stampings	541.51	534.25	549.32	558.67	557.66	43.6	43.4	44.3	45.2	44.9	12.42	12.31	12.40	12.36	12.42
Iron & steel forgings	419.23	409.86	419.35	411.88	408.22	40.9	40.5	40.4	40.7	40.1	10.25	10.12	10.38	10.12	10.18
Other metal forgings & stampings	572.36	561.44	579.46	593.57	591.56	44.3	44.0	45.2	46.3	46.0	12.92	12.76	12.82	12.82	12.86
Metal services & ordnance, n.e.c.	346.18	336.18	338.72	341.25	342.78	39.7	39.0	38.8	40.1	41.2	8.72	8.62	8.73	8.51	8.32
Misc. fabricated metal products	390.52	387.16	392.29	387.58	372.94	41.5	41.1	41.6	41.9	41.3	9.41	9.42	9.43	9.25	9.03
Valves & pipe fittings	407.47	407.63	398.05	408.79	380.21	41.2	41.3	40.7	42.1	39.4	9.89	9.87	9.78	9.71	9.65
Other misc. fabricated metal prod.	379.89	374.74	388.16	374.53	369.73	41.7	41.0	42.1	41.8	42.4	9.11	9.14	9.22	8.96	8.72

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(cont.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983
Machinery, exc. electrical	$444.58	$441.63	$433.89	$445.60	$414.10	42.1	42.1	41.6	42.6	41.0	$10.56	$10.49	$10.43	$10.46	$10.10
Engines & turbines	561.59	551.68	521.66	513.76	484.06	43.1	42.7	41.5	41.6	39.1	13.03	12.92	12.57	12.35	12.38
Farm & garden machinery	491.77	512.02	490.45	489.41	480.47	42.8	43.8	42.5	42.3	43.6	11.49	11.69	11.54	11.57	11.02
Construction & related mach.	452.81	454.49	430.50	449.59	418.61	42.2	42.2	41.0	41.9	41.0	10.73	10.77	10.50	10.73	10.21
Construction machinery	523.64	548.38	476.89	517.20	488.31	42.4	43.8	40.9	43.1	41.7	12.35	12.52	11.66	12.00	11.71
Conveyors & conveying equip.	463.19	419.90	428.59	434.31	397.96	45.5	42.5	43.6	45.1	42.7	10.18	9.88	9.83	9.63	9.32
Other construction & related mach.	407.41	398.67	396.58	404.15	363.89	41.7	41.1	40.8	40.7	39.9	9.77	9.70	9.72	9.93	9.12
Metal working machinery	459.19	464.87	459.36	483.84	425.63	43.9	44.4	44.0	46.3	42.1	10.46	10.47	10.44	10.45	10.11
Special industry machinery	452.75	414.38	437.15	441.20	412.30	44.3	42.5	42.9	43.9	43.4	10.22	9.75	10.19	10.05	9.50
General industrial machinery	436.36	430.15	415.72	423.33	401.71	41.4	41.4	40.4	41.1	40.7	10.54	10.39	10.29	10.30	9.87
Pumps & pumping equipment	441.28	460.08	435.24	442.80	427.92	39.4	41.3	40.3	41.0	40.6	11.20	11.14	10.80	10.80	10.54
Ball & roller bearings	436.60	429.39	429.39	437.00	409.61	41.7	40.7	40.7	41.5	41.5	10.47	10.55	10.55	10.53	9.87
Air & gas compressors	491.62	485.10	449.60	471.51	456.57	43.2	44.1	41.4	43.1	44.5	11.38	11.00	10.86	10.94	10.26
Industrial furnaces & ovens	428.12	426.55	419.47	406.55	375.14	44.0	43.7	42.2	40.9	39.2	9.73	9.76	9.94	9.94	9.57
Other general industrial mach.	412.90	399.19	390.06	396.15	374.14	40.6	40.2	39.6	40.3	39.3	10.17	9.93	9.85	9.83	9.52
Office and computing machines	479.17	479.17	483.60	503.81	481.12	40.3	40.3	40.3	41.5	41.8	11.89	11.89	12.00	12.14	11.51
Refrigeration & service ind. mach.	391.82	391.38	399.43	390.98	361.17	39.9	40.1	40.8	40.1	37.7	9.82	9.76	9.79	9.75	9.58
Misc. machinery, exc. electrical	388.96	390.18	380.88	385.90	372.65	41.6	42.0	41.4	41.9	40.2	9.35	9.29	9.20	9.21	9.27
Electric & electronic equipment	396.79	386.75	381.60	388.54	364.41	41.9	41.1	40.9	41.6	40.4	9.47	9.41	9.33	9.34	9.02
Electric distributing equip.	467.20	462.46	470.46	459.54	392.27	43.1	42.9	43.4	43.6	37.9	10.84	10.78	10.84	10.54	10.35
Transformers	458.28	442.98	464.87	465.93	423.69	45.6	44.7	45.8	46.5	42.2	10.05	9.91	10.15	10.02	10.04
Switchgear & switchboard apparatus	473.06	475.80	475.80	455.62	371.71	41.1	41.7	41.7	41.8	35.1	11.51	11.41	11.41	10.90	10.59
Electrical industrial apparatus	397.96	367.20	376.82	370.06	360.12	42.7	40.8	41.5	40.8	40.6	9.32	9.00	9.08	9.07	8.87
Household appliances	348.47	366.95	359.31	340.66	341.96	40.9	41.0	41.3	40.7	41.3	8.52	8.95	8.70	8.37	8.28
Electric lighting & wiring equip.	353.28	345.42	342.55	358.69	330.26	40.7	40.4	40.3	40.9	39.6	8.68	8.55	8.50	8.77	8.34
Current-carrying wiring devices	380.22	377.39	369.90	396.35	361.12	41.6	41.2	41.1	42.3	41.7	9.14	9.16	9.00	9.37	8.66
Other electric light & wiring equip.	328.78	314.42	316.40	320.74	302.35	39.9	39.6	39.6	39.5	37.7	8.24	7.94	7.99	8.12	8.02
Communication equipment	411.03	375.74	376.48	383.46	389.05	42.2	40.1	40.7	41.5	41.3	9.74	9.37	9.25	9.24	9.42
Electronic components & accessories	423.58	419.05	405.00	417.48	389.22	42.7	42.2	41.2	42.6	41.1	9.92	9.93	9.93	9.80	9.47
Semiconductors & related devices	540.76	533.52	517.63	529.00	460.22	43.4	43.2	43.1	43.9	40.8	12.46	12.35	12.01	12.05	11.28
Other electronic components & access.	338.87	335.75	323.97	338.60	349.81	42.2	41.4	39.3	41.7	41.3	8.03	8.11	8.14	8.12	8.47
Other electrical equip. & supplies	320.66	310.34	293.66	313.47	313.84	39.2	37.8	37.6	38.7	40.6	8.18	8.21	7.81	8.10	7.73
Transportation equipment	493.74	469.94	498.93	480.90	478.82	42.2	40.9	42.9	41.6	41.6	11.70	11.49	11.63	11.56	11.51
Motor vehicles & equipment	511.09	478.38	506.75	496.76	486.30	42.1	40.2	42.3	41.5	41.6	12.14	11.90	11.98	11.97	11.69
Motor vehicle parts & access.	496.22	451.93	486.33	481.01	510.32	43.0	40.1	42.4	42.9	44.5	11.54	11.27	11.47	11.48	11.67
Other motor vehicles & equip.	524.48	502.54	525.79	510.06	460.20	41.2	40.3	42.3	41.2	39.3	12.73	12.47	12.43	12.38	11.71
Aircraft & parts	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Ship & boat building & repairing	426.66	401.09	451.77	469.37	408.24	40.1	39.4	42.7	43.5	40.3	10.64	10.18	10.58	10.79	10.13
Railroad equipment	506.30	483.14	533.72	479.81	482.57	41.5	40.6	44.0	40.8	41.0	12.20	11.90	12.13	11.76	11.77
Other transportation equipment	453.65	449.78	426.63	442.73	459.02	43.0	43.0	41.3	42.9	43.8	10.55	10.46	10.33	10.32	10.48
Instruments & related products	387.86	393.34	388.83	391.78	372.19	41.0	41.8	41.9	42.4	40.9	9.46	9.41	9.28	9.24	9.10
Measuring & controlling devices	427.32	437.18	436.25	436.37	386.87	42.1	43.5	43.8	43.9	41.2	10.15	10.05	9.96	9.94	9.39
Medical instruments & supplies	322.18	320.71	321.44	333.34	353.60	38.4	38.5	39.2	40.8	40.0	8.39	8.33	8.20	8.17	8.84
Other instruments & related prod.	396.35	404.20	387.58	383.64	362.61	42.3	43.0	41.9	41.7	41.3	9.37	9.40	9.25	9.20	8.78
Miscellaneous manufacturing industries	348.71	333.98	363.17	343.76	379.81	40.5	39.2	41.6	40.3	41.6	8.61	8.52	8.73	8.53	9.13

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(cont.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983
TOTAL NONDURABLE GOODS	$313.43	$309.96	$306.02	$301.02	$297.22	38.6	38.6	38.3	38.2	38.6	$ 8.12	$ 8.03	$ 7.99	$ 7.88	$ 7.70
Food & kindred products	369.74	358.30	352.29	351.05	345.20	40.9	39.9	39.1	39.4	40.0	9.04	8.98	9.01	8.91	8.63
Meat products	336.05	318.76	319.43	314.01	321.31	42.7	40.4	40.9	39.9	41.3	7.87	7.89	7.81	7.87	7.78
Meat packing plants	365.51	356.95	360.82	344.29	356.50	42.6	41.7	42.4	40.6	42.9	8.58	8.56	8.51	8.48	8.31
Sausages & other prepared meats	394.37	390.70	371.78	376.04	376.48	41.6	41.3	39.3	39.5	41.1	9.48	9.46	9.46	9.52	9.16
Poultry dressing & processing	266.83	231.81	243.98	240.16	246.00	43.6	38.7	40.8	39.5	40.0	6.12	5.99	5.98	6.08	6.15
Dairy products	341.94	327.13	326.61	342.86	333.06	41.7	41.2	41.5	43.4	42.7	8.20	7.94	7.87	7.90	7.80
Fluid milk	362.53	355.32	348.96	367.20	343.13	42.6	42.3	41.2	43.2	40.8	8.51	8.40	8.47	8.50	8.41
Other dairy products	326.36	306.64	311.50	326.56	325.90	41.0	40.4	41.7	43.6	44.1	7.96	7.59	7.47	7.49	7.39
Preserved fruits & vegetables	352.73	338.04	293.86	331.39	332.11	41.4	40.1	34.9	38.4	40.9	8.52	8.43	8.42	8.63	8.12
Canned fruits & vegetables	271.99	279.20	252.97	252.13	253.99	40.9	40.7	37.7	37.8	38.6	6.65	6.86	6.71	6.67	6.58
Other preserved fruits & vegetables	393.23	362.69	313.07	365.54	371.74	41.7	39.9	33.7	38.6	42.1	9.43	9.09	9.29	9.47	8.83
Grain mill products	481.81	480.82	475.57	494.31	452.15	42.6	42.4	41.9	43.9	42.1	11.31	11.34	11.35	11.26	10.74
Bakery products	373.81	359.28	354.00	337.09	326.68	38.3	37.7	37.7	36.8	36.5	9.76	9.53	9.39	9.16	8.95
Bread, cake & related prod.	375.75	350.53	351.44	324.10	343.73	37.5	36.4	36.8	35.0	37.0	10.02	9.63	9.55	9.26	9.29
Cookies & crackers	369.96	385.22	363.10	371.43	283.81	40.7	41.6	40.3	41.5	35.3	9.09	9.26	9.01	8.95	8.04
Sugar & confectionery prod.	383.80	370.89	373.46	367.30	355.11	40.4	39.0	38.7	38.3	39.5	9.50	9.51	9.65	9.59	8.99
Beverages	470.68	491.53	509.25	468.30	445.01	41.0	42.3	43.6	42.0	40.2	11.48	11.62	11.68	11.15	11.07
Other food & kindred products	308.15	291.60	278.98	276.57	294.06	40.6	40.0	37.7	38.2	39.9	7.59	7.29	7.40	7.24	7.37
Tobacco manufacturers	224.93	227.66	203.68	223.18	222.71	39.6	39.8	37.1	39.5	42.1	5.68	5.72	5.49	5.65	5.29
Textile mill products	234.68	233.36	238.99	239.51	234.96	36.9	37.1	38.3	38.2	38.9	6.36	6.29	6.24	6.27	6.04
Weaving mills, synthetics	273.91	265.86	295.70	264.06	256.85	40.7	39.8	44.2	40.5	40.9	6.73	6.68	6.69	6.52	6.28
Knitting mills	209.76	213.21	215.39	220.43	222.12	34.5	35.3	36.2	36.8	38.1	6.08	6.04	5.95	5.99	5.83
Knit outerwear mills	212.87	215.02	210.96	223.88	222.89	34.5	35.6	36.0	37.5	38.1	6.17	6.04	5.86	5.97	5.85
Knit underwear mills	187.25	190.84	188.86	185.43	198.45	33.8	34.2	34.4	33.9	37.8	5.54	5.58	5.49	5.47	5.25
Other knitting mills	226.75	232.34	256.47	253.49	251.94	35.1	35.8	38.8	38.7	38.7	6.46	6.49	6.61	6.55	6.51
Floor covering mills	338.15	350.20	324.86	355.28	321.44	40.5	41.2	38.4	41.7	41.0	8.35	8.50	8.46	8.52	7.84
Yarn & thread mills	198.19	188.08	210.93	199.73	199.08	36.1	36.1	39.6	37.9	36.0	5.49	5.21	5.34	5.27	5.53
Other textile mill prod.	251.52	246.09	245.70	252.20	245.02	39.3	39.0	39.0	39.1	40.3	6.40	6.31	6.30	6.45	6.08
Apparel & other textile products	198.14	198.01	194.48	190.28	191.48	34.4	34.8	34.3	34.1	34.5	5.76	5.69	5.67	5.58	5.55
Men's & boys' suits & coats	271.13	265.98	257.04	249.57	246.11	37.5	37.2	35.9	35.4	36.3	7.23	7.15	7.16	7.05	6.78
Men's & boys' furnishings	195.41	198.55	204.38	202.54	189.38	35.4	36.7	37.5	37.3	35.8	5.52	5.41	5.45	5.43	5.29
Men's & boys' shirts & nightwear	199.11	200.91	205.47	198.89	187.78	36.4	37.0	37.7	36.9	35.7	5.47	5.43	5.45	5.39	5.26
Men's & boys' separate trousers	186.05	192.47	202.77	201.95	189.20	32.3	33.3	34.9	35.0	34.4	5.76	5.78	5.81	5.77	5.50
Other furnishings & work clothing	196.56	199.40	203.81	207.09	190.84	36.0	38.2	38.6	39.0	36.7	5.46	5.22	5.28	5.31	5.20
Women's & misses' outerwear	175.91	180.08	178.20	172.48	180.95	31.3	32.1	32.4	32.0	32.9	5.62	5.61	5.50	5.39	5.50
Women's & children's undergarments	193.29	186.62	169.29	161.14	177.80	38.2	37.7	33.0	32.1	35.0	5.06	4.95	5.13	5.02	5.08
Children's outerwear	179.56	174.72	171.60	182.69	175.10	33.5	32.7	32.5	35.2	33.1	5.36	5.34	5.28	5.19	5.29
Other apparel & textile prod.	206.27	200.88	201.75	197.62	189.67	37.3	37.2	37.5	36.8	36.9	5.53	5.40	5.38	5.37	5.14

HOURS AND EARNINGS FOR

Table 6. (concl.) MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983	SEPT 1984	AUGUST 1984	JULY 1984	JUNE 1984	SEPT 1983
Paper & allied products	$387.82	$381.07	$377.58	$375.73	$380.19	42.9	42.2	42.0	42.6	43.5	$ 9.04	$ 9.03	$ 8.99	$ 8.82	$ 8.74
Paper mills exc. building paper	490.66	489.86	481.74	452.24	475.84	45.6	44.9	43.4	44.6	47.3	10.76	10.91	11.10	10.86	10.06
Paper board containers & boxes	400.49	389.76	389.39	384.81	376.64	44.4	43.5	43.9	42.9	42.8	9.02	8.96	8.87	8.97	8.80
Corrugated & solid fiber boxes	435.24	433.38	419.93	399.81	396.80	46.6	46.5	45.3	43.6	43.7	9.34	9.32	9.27	9.17	9.08
Other paperboard containers	366.30	348.39	359.13	369.13	354.88	42.2	40.7	42.5	42.2	41.8	8.68	8.56	8.45	8.75	8.49
Other paper & allied products	334.94	330.00	326.38	337.79	338.82	40.5	40.0	39.9	41.6	42.3	8.27	8.25	8.18	8.12	8.01
Printing & publishing	381.40	384.94	380.82	377.52	362.60	38.8	39.4	39.3	39.0	39.2	9.83	9.77	9.69	9.68	9.25
Newspapers	364.00	359.48	348.50	342.39	334.43	35.0	34.8	34.1	33.8	34.3	10.40	10.33	10.22	10.13	9.75
Books	298.94	345.35	347.88	340.89	368.46	34.6	39.2	39.0	39.5	42.4	8.64	8.81	8.92	8.63	8.69
Commercial printing	398.27	404.99	399.80	395.58	389.46	39.2	39.9	39.9	39.4	40.4	10.16	10.16	10.02	10.04	9.64
Manifold business forms	410.18	417.56	427.33	413.08	402.86	42.2	44.0	44.7	43.3	43.6	9.72	9.49	9.56	9.54	9.24
Other printing & publishing	384.14	372.28	369.90	375.50	322.87	41.8	41.0	41.1	41.4	38.9	9.19	9.08	9.00	9.07	8.30
Chemicals & allied products	466.99	468.04	457.50	452.61	429.70	42.3	42.9	42.4	42.3	41.8	11.04	10.91	10.79	10.70	10.28
Industrial inorganic chemicals	481.37	478.50	449.19	463.91	471.09	42.3	42.8	41.4	42.6	43.7	11.38	11.18	10.85	10.89	10.78
Plastic materials & synthetics	505.01	527.58	496.00	495.86	446.04	43.2	44.9	43.7	42.6	42.0	11.69	11.75	11.35	11.64	10.62
Drugs	473.93	476.43	467.32	454.21	449.76	41.5	42.5	41.8	40.7	41.3	11.42	11.21	11.18	11.16	10.89
Soap, cleaners & toilet goods	407.65	372.65	382.12	383.35	389.35	42.2	40.2	41.0	42.5	43.6	9.66	9.27	9.32	9.02	8.93
Paints & allied products	451.10	454.96	464.58	451.58	400.88	43.5	44.3	44.8	44.8	41.2	10.37	10.27	10.37	10.08	9.73
Other chemicals & allied prod.	458.53	457.52	451.76	447.88	409.28	42.3	42.6	42.3	42.9	41.3	10.84	10.74	10.68	10.44	9.91
Petroleum & coal products	568.26	545.13	548.96	540.41	542.16	45.1	44.5	44.2	43.9	43.2	12.60	12.25	12.42	12.31	12.55
Petroleum refining	611.47	578.88	604.66	582.65	595.45	44.6	43.2	44.2	43.0	43.4	13.71	13.40	13.68	13.55	13.72
Other petroleum & coal prod.	487.46	484.28	455.11	471.25	429.86	45.9	46.7	44.1	45.4	42.9	10.62	10.37	10.32	10.38	10.02
Rubber & misc. plastics products	339.07	335.38	334.14	320.80	323.05	41.0	41.0	41.1	39.9	41.1	8.27	8.18	8.13	8.04	7.86
Tires & inner tubes	436.45	459.56	448.22	431.04	459.22	40.3	42.2	40.6	39.4	43.2	10.83	10.89	11.04	10.94	10.63
Fabricated rubber prod., n.e.c.	419.37	409.94	416.70	357.80	372.11	44.9	44.9	45.0	39.8	41.3	9.34	9.13	9.26	8.99	9.01
Other rubber & plastic prod., n.e.c.	322.34	316.71	316.20	307.60	305.11	40.7	40.5	40.8	40.0	40.9	7.92	7.82	7.75	7.69	7.46
Leather & leather products	195.28	195.47	194.01	195.08	195.20	35.7	36.4	36.4	36.6	36.9	5.47	5.37	5.33	5.33	5.29
Footwear, exc. rubber	181.98	185.06	184.40	183.17	185.13	35.2	36.5	36.3	36.2	36.3	5.17	5.07	5.08	5.06	5.10
Men's footwear, exc. athletic	179.52	194.39	193.88	195.38	196.94	34.0	37.6	37.0	37.5	37.8	5.28	5.17	5.24	5.21	5.21
Women's footwear, exc. athletic	186.84	175.10	166.83	170.32	179.83	36.0	34.0	33.3	34.2	35.4	5.19	5.15	5.01	4.98	5.08
Other footwear	181.36	181.05	185.22	175.42	169.68	36.2	37.1	37.8	35.8	34.7	5.01	4.88	4.90	4.90	4.89
Other leather & leather prod.	246.38	232.34	233.99	238.75	231.46	37.5	35.8	37.2	38.2	38.9	6.57	6.49	6.29	6.25	5.95
SELECTED NONMANUFACTURING INDUSTRIES															
Anthracite Mining	399.65	427.98	347.75	405.50	394.86	36.8	39.3	31.7	37.1	36.8	10.86	10.89	10.97	10.93	10.73
Bituminous coal & lignite mining	614.24	615.73	564.93	661.48	504.21	42.1	42.7	38.8	45.4	36.3	14.59	14.42	14.56	14.57	13.89
Nonmetallic minerals, exc. fuels	441.79	442.26	428.74	425.48	441.14	47.2	47.2	46.3	45.8	49.4	9.36	9.37	9.26	9.29	8.93
Communication	529.31	539.50	531.70	512.89	465.66	41.0	41.5	41.8	40.9	39.8	12.91	13.00	12.72	12.54	11.70
Electric, gas, & sanitary services	554.69	546.33	542.25	549.00	527.09	41.8	41.8	42.1	42.3	42.1	13.27	13.07	12.88	12.98	12.52
Electric services	549.98	543.15	541.42	552.48	517.59	42.8	42.6	42.8	43.4	42.6	12.85	12.75	12.65	12.73	12.15
Gas production & distribution	441.54	427.52	432.41	426.39	439.50	37.9	37.8	38.3	37.7	40.1	11.65	11.31	11.29	11.31	10.96
General merchandise stores	165.98	167.38	170.59	166.58	162.23	30.4	30.6	31.3	30.5	30.9	5.46	5.47	5.45	5.46	5.25